

**Commonwealth of Kentucky**  
**Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Luis D. Fuentes

GENERAL INFORMATION:

Name:	SGL Carbon, LLC
Address:	2320 Myron Cory Drive Hickman, KY 42050
Date application received:	July 20, 2007
SIC/Source description:	3624, Carbon and Graphite Products
Source ID:	21-075-00001
Agency Interest:	1440
Activity:	APE20070001
Permit:	V-07-032

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Title V
<input type="checkbox"/> Minor	<input type="checkbox"/> Synthetic minor
<input type="checkbox"/> Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS
<input checked="" type="checkbox"/> SIP	<input type="checkbox"/> NESHAPS
<input type="checkbox"/> PSD	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

**EMISSIONS SUMMARY:**

Emissions potential with increase in the throughputs of the Hargraf Cleaning Machine and the Ring Bake Furnace (from last revision V-01-023 R2)

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM <sub>10</sub>	10.85	187.06
CO	100.95	134.61
NO <sub>2</sub>	10.99	21.87
SO <sub>2</sub>	15.76	20.02
VOC	67.65	265.82
Polycyclic Aromatic Compounds (PAC)	0.012	0.504

**SOURCE DESCRIPTION:**

SGL Carbon, LLC, hereafter “SGL Carbon”, located in Hickman, Kentucky, is a graphite electrode manufacturing facility. This operation is classified under 401 KAR Chapter 52 as a “major source” of air emissions. Currently, SGL Carbon is operating in accordance with Title V Permit V-01-023 R2, revised on July 27, 2007. There were no changes to permit V-01-023 R2 for this renewal permit, V-07-032.

**Permit Renewal For V-07-032:**

Current permit expires on January 30, 2008. SGL Carbon has applied for a permit renewal with no changes to permit V-01-023 R2 for this renewal permit, V-07-023.

**EMISSIONS AND OPERATING CAPS DESCRIPTIONS:**

Please refer to Sections B.1 and B.2 in the Title V operating permit for the operating and emission limits per each process unit at the facility.

**OPERATIONAL FLEXIBILITY:**

None